

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1. (Cancelled)
- 1 2. (Previously Presented) The system of claim 82, wherein the portable user
2 interface device comprises a display to display a graphical user interface.
- 1 3. (Original) The system of claim 2, wherein the graphical user interface comprises
2 one or more graphical elements selectable to control the tool.
- 1 4. (Previously Presented) The system of claim 82, wherein the portable user
2 interface device comprises a personal digital assistant.
- 1 5. (Previously Presented) The system of claim 3, wherein the portable user interface
2 device comprises an infrared transceiver adapted to communicate infrared signals.
- 1 6. (Cancelled)
- 1 7. (Previously Presented) The system of claim 82, wherein the user interface device
2 comprises a display to show a result of the test.
- 1 8. (Previously Presented) The system of claim 82, wherein the tool comprises plural
2 control units, the user interface device adapted to send commands to the tool to successively test
3 the plural control units.
- 1 9. (Previously Presented) The system of claim 8, wherein the tool comprises a string
2 of elements, and the control module is coupled to the string of elements.

10. - 61. (Cancelled)

62. (Previously Presented) The system of claim 82, wherein the portable user interface device comprises a graphical user interface having one or more control elements selectable to activate testing of the tool.

63. (Previously Presented) The system of claim 62, wherein the tool comprises plural control units, the portable user interface device adapted to send commands to sequentially test the plural control units.

64. (Previously Presented) The system of claim 63, wherein the graphical user interface is adapted to display acquired information pertaining to each of the control units.

65. (Previously Presented) The system of claim 62, wherein the graphical user interface is adapted to display information pertaining to control units for explosive devices.

66. - 70. (Cancelled)

71. (Previously Presented) A system, comprising:
a portable user interface device;
a control module; and
a tool selected from the group consisting of a well tool and a tool containing one or more explosive elements, the tool coupled to the control module,
the portable user interface device adapted to communicate wirelessly with the control module,
wherein the control module further comprises a current detector to detect current from the tool, the control module adapted to use an output of the current detector to determine for presence of components in the tool.

1 72. (Previously Presented) The system of claim 71, wherein the control module is
2 adapted to further use the output of the current detector to determine if a component of the tool
3 has failed.

1 73. (Previously Presented) A system, comprising:
2 a portable user interface device;
3 a control module; and
4 a tool selected from the group consisting of a well tool and a tool containing one
5 or more explosive elements, the tool coupled to the control module,
6 the portable user interface device adapted to communicate wirelessly with the
7 control module,
8 wherein the control module further comprises a current detector to detect current
9 from the tool, the control module adapted to use an output of the current detector to determine if
10 a component in the tool has failed.

1 74. (Previously Presented) The system of claim 82, wherein the portable user
2 interface device is adapted to check that communications with components of the tool is
3 functional.

1 75. (Previously Presented) The system of claim 74, wherein the portable user
2 interface device is adapted to verify addresses of the components in the tool.

1 76. - 81. (Cancelled)

1 82. (Previously Presented) A system, comprising:
2 a portable user interface device;
3 a control module; and
4 a tool selected from the group consisting of a well tool and a tool containing one
5 or more explosive elements, the tool coupled to the control module,
6 the portable user interface device adapted to communicate wirelessly with the
7 control module,
8 wherein the control module is adapted to send a command to the tool to perform a
9 test of the tool,
10 wherein the control module is responsive to wireless signals from the portable
11 user interface device to send coded signals to the tool for testing the tool, the control module
12 comprising a detector adapted to detect a status of one or more components of the tool,
13 wherein the detector comprises a current detector adapted to detect a level of
14 electrical current.

1 83. (Previously Presented) A system, comprising:
2 a portable user interface device;
3 a control module; and
4 a tool selected from the group consisting of a well tool and a tool containing one
5 or more explosive elements, the tool coupled to the control module,
6 the portable user interface device adapted to communicate wirelessly with the
7 control module,
8 wherein the control module is adapted to send a command to the tool to perform a
9 test of the tool,
10 wherein the control module is responsive to wireless signals from the portable
11 user interface device to send coded signals to the tool for testing the tool, the control module
12 comprising a detector adapted to detect a status of one or more components of the tool,
13 wherein the detector is adapted to detect for at least one of the following failures:
14 mis-wiring of a components in the tool; a short in the tool; and the presence of a detonator in the
15 tool.

1 84. (New) The system of claim 71, wherein the control module is adapted to
2 communicate an operational status of each of the components to the portable user interface
3 device.

1 85. (New) The system of claim 84, wherein the portable user interface device has a
2 graphical user interface to display the operational status of each of the components in the tool.

1 86. (New) The system of claim 73, wherein the control module is adapted to
2 communicate an operational status of each of the components to the portable user interface
3 device.

1 87. (New) The system of claim 86, wherein the portable user interface device has a
2 graphical user interface to display the operational status of each of the components in the tool.